

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (CURRENTLY AMENDED) An inbred squash seed designated 833 wherein a sample of said seed has been deposited under ~~ATCC Accession~~ NCIMB No. _____.
2. (ORIGINAL) A squash plant, or parts thereof, produced by growing the seed of claim 1.
3. (ORIGINAL) Pollen of the plant of claim 2.
4. (ORIGINAL) An ovule or ovules of the plant of claim 2.
5. (ORIGINAL) A squash plant, or parts thereof, having all of the physiological and morphological characteristics of the squash plant of claim 2.
6. (CANCELED)
7. (CURRENTLY AMENDED) A tissue culture of regenerable cells of a squash plant of inbred 833, wherein the cells produce a plant having all the morphological and physiological characteristics of inbred squash line 833, and wherein a sample of representative seeds has been deposited under ~~ATCC Accession~~ NCIMB No _____.
8. (PREVIOUSLY PRESENTED) The tissue culture of claim 7, selected from the group consisting of protoplasts and calli, wherein the regenerable cells are derived from meristematic cells, leaves, pollen, embryos, roots, root tips, flowers, anthers, stems, petioles, fruits, seeds, cotyledons and hypocotyls.
9. (CURRENTLY AMENDED) A squash plant regenerated from the tissue culture of claim 7, having all the morphological and physiological characteristics of inbred squash line 833, representative seeds having been deposited under ~~ATCC Accession~~ NCIMB No _____.

10. (ORIGINAL) A method for producing a hybrid squash seed comprising crossing a first inbred parent squash plant with a second inbred parent squash plant and harvesting the resultant hybrid squash seed, wherein said first or second parent squash plant is the squash plant of claim 2.

11 - 33. (CANCELED)

34. (PREVIOUSLY PRESENTED) A method of producing a transgenic squash plant comprising transforming the squash plant of claim 2 with a transgene wherein the transgene confers a characteristic selected from the group consisting of : herbicide resistance, insect resistance, resistance to bacterial disease, resistance to fungal disease, resistance to viral disease, and male sterility.

35. (PREVIOUSLY PRESENTED) A transgenic squash plant produced by the method of claim 34.

36. (PREVIOUSLY PRESENTED) A method of producing an herbicide resistant squash plant comprising transforming the squash plant of claim 2 with a transgene that confers herbicide resistance.

37. (PREVIOUSLY PRESENTED) An herbicide resistant squash plant produced by the method of claim 36.

38. (PREVIOUSLY PRESENTED) A method of producing an insect resistant squash plant comprising transforming the squash plant of claim 2 with a transgene that confers insect resistance.

39. (PREVIOUSLY PRESENTED) An insect resistant squash plant produced by the method of claim 38.

40. (PREVIOUSLY PRESENTED) A method of producing a disease resistant squash plant comprising transforming the squash plant of claim 2 with a transgene that confers resistance to bacterial, fungal or viral disease.

41. (PREVIOUSLY PRESENTED) A disease resistant squash plant produced by the method of claim 40.

42. (PREVIOUSLY PRESENTED) A method of producing a male sterile squash plant comprising transforming the squash plant of claim 2 with a transgene that confers male sterility.

43 - 46. (CANCELED)

47. (NEW) A male sterile squash plant produced by the method of claim 42.

48. (NEW) A method of introducing a desired trait into inbred squash 833 comprising:

- (a) crossing the 833 plants grown from seed deposited under NCIMB No. _____, with plants of another squash that comprise a desired trait to produce F1 progeny plants, wherein the desired trait is selected from male sterility, herbicide resistance, insect resistance, resistance to fungal disease, resistance to viral disease and resistance to bacterial disease;
- (b) selecting F1 progeny plants that have the desired trait to produce selected F1 progeny plants;
- (c) crossing the selected F1 progeny plants with the 833 plants to produce first backcross progeny plants;
- (d) selecting for first backcross progeny plants that have the desired trait and physiological and morphological characteristics of inbred squash 833 to produce selected first backcross progeny plants; and
- (e) repeating steps (c) and (d) one or more times in succession to produce selected second or higher backcross progeny plants that comprise the desired trait and all of the physiological and morphological characteristics of inbred squash 833 as shown in the Variety Description Information and as determined at a 5% significance level when grown in the same environmental conditions.

49. (NEW) A plant produced by the method of claim 48, wherein the plant has the desired trait and all of the physiological and morphological characteristics of inbred squash 833 as shown in the Variety Description Information and as determined at a 5% significance level when grown in the same environmental conditions.

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50. (NEW) A hybrid squash seed designated 833*8324 having inbred line 833 as a parental line, representative seed of said hybrid having been deposited under NCIMB No. _____.

51. (NEW) A hybrid squash plant produced by growing the hybrid seed of claim 50.